# Database Design for DELICIOUS

Collation: utf8-bin.

Support three languages: Chinese, English and French. Table names end with '*\_xx*' are tables involve different languages, *xx* = *cn*, *en* or *fr*, meaning Chinese, English or French respectively.

## Table Name: resto\_admin

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| NAME | DATA TYPE | DEFAULT | NULL | A-I\* | COMMENTS |
| admin\_id | tinyint unsigned |  |  | Yes | Primary Key. Admin ID. |
| username | varchar(30) |  |  |  | Administrator's name. Unique. |
| password | char(32) |  |  |  | Encrypted with MD5 function. |
| email | varchar(60) |  |  |  |  |
|  |  |  |  |  |  |

\*: **A-I** means auto-increment.

## Table Name: cate

These 3 tables store categories (limited) in a certain language respectively.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| NAME | DATA TYPE | DEFAULT | NULL | A-I | COMMENTS |
| cate\_id | smallint unsigned |  |  | Yes | Primary Key. Category ID. |
| name\_cn | varchar(50) |  | **\*** |  | The category's name in Chinese. |
| name\_en | varchar(50) |  | \* |  | The category's name in English. |
| name\_fr | varchar(50) |  | \* |  | The category's name in French. |
|  |  |  |  |  |  |

\*These 3 fields cannot all be null.

## Table Name: dish

This table stores dish information that is common to all languages.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| NAME | DATA TYPE | DEFAULT | NULL | A-I | COMMENTS |
| dish\_id | int unsigned |  |  | Yes | Primary Key. |
| cate\_id | smallint unsigned |  |  |  | Category ID the dish belongs to. FK |
| ~~dish\_no~~ | ~~varchar(50)~~ |  |  |  | ~~Dish number.~~ |
| dish\_num | int unsigned | 0 | Yes |  | Dish inventory. |
| reg\_price | decimal(6,2) |  |  |  | Regular price of the dish. |
| current\_price | decimal(6,2) |  |  |  | Current price of the dish. |
| dish\_time | int unsigned |  |  |  | Mark the publishing order of the dish. |
| is\_show | tinyint(1) | 1 |  |  | 1 means the dish is shown. |
| is\_hot | tingyint(1) | 0 |  |  | 0 means the dish is not hot for sell. |
| name\_cn | varchar(50) |  | \* |  | Dish name in Chinese. |
| name\_en | varchar(50) |  | \* |  | Dish name in English. |
| name\_fr | varchar(50) |  | \* |  | Dish name in French. |
| desc\_cn | mediumtext |  | ^ |  | Dish description in Chinese. |
| desc\_en | mediumtext |  | ^ |  | Dish description in English. |
| desc\_fr | mediumtext |  | ^ |  | Dish description in French. |
|  |  |  |  |  |  |

\*These 3 fields cannot all be null.

^These 3 fields cannot all be null.

## Table Name: album

This table stores album for each dish.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| NAME | DATA TYPE | DEFAULT | NULL | A-I | COMMENTS |
| album\_id | int unsigned |  |  | Yes | Primary Key. |
| dish\_id | int unsigned |  |  |  | Dish ID. |
| album\_path | varchar(50) |  |  |  | Image name (Images of all dishes are stored under the same path which is designated by the program). |
|  |  |  |  |  |  |

## Table Name: promotion

This table stores information about promotion activities.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| NAME | DATA TYPE | DEFAULT | NULL | A-I | COMMENTS |
| prom\_id | int unsigned |  |  | Yes | Primary Key. Promotion ID. |
| start\_time | int unsigned |  | Yes |  | The start time of the promotion. |
| end\_time | int unsigned |  |  |  | The end time of the promotion. |
| title\_cn | varchar(50) |  | \* |  | Promotion title in Chinese. |
| title\_en | varchar(50) |  | \* |  | Promotion title in English. |
| title\_fr | varchar(50) |  | \* |  | Promotion title in French. |
| content\_cn | mediumtext |  | ^ |  | Promotion content in Chinese. |
| content\_en | mediumtext |  | ^ |  | Promotion content in English. |
| content\_fr | mediumtext |  | ^ |  | Promotion content in French. |
| dish\_id | int unsigned |  | Yes |  | Dish ID. Could be null if the promotion activity isn't related to any dishes. |

\*These 3 fields cannot all be null.

^These 3 fields cannot all be null.

## Table Name: promotion\_album

This table stores album for each promotion.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| NAME | DATA TYPE | DEFAULT | NULL | A-I | COMMENTS |
| album\_id | int unsigned |  |  | Yes | Primary Key. |
| prom\_id | int unsigned |  |  |  | Promotion ID. |
|  |  |  |  |  |  |
| dish\_id | int unsigned |  |  |  | Dish ID. |
| album\_path | varchar(50) |  |  |  | Image name (Images of all dishes are stored under the same path which is designated by the program). |
|  |  |  |  |  |  |

## Table Name: slider\_album

This table stores images used for home page slide show.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| NAME | DATA TYPE | DEFAULT | NULL | A-I | COMMENTS |
| slide\_id | int unsigned |  |  | Yes | Primary Key. Slider ID. |
| dish\_id | int unsigned |  |  |  | Dish ID related to the slide image. |
| img\_path | int unsigned |  |  |  | The image name used for slide show. |
|  |  |  |  |  |  |

## Entity-Relationship Diagram

